AI-based closed-loop process control for mineral processing plants

Closed-loop control your engineers can change themselves

Our platform gives your process control engineers specialised tooling for closed-loop control.
You don't need to engage us every time you want to change the process.

Create

Your engineers build new controllers with the platform's tooling.

Modify

They change them as equipment or targets change, on their own schedule.

Run

They run them in closed loop. Adding controllers doesn't change the licence fee.

Proven at Tier 1 global miners

10
Closed-loop deployments at Tier 1 global miners' plants

1 to 3+
Years each deployment has been running

+2.4%
Average throughput gain
Range +1.4% to +3.5%

+0.7 pp
Average recovery gain
Range +0.65 to +0.8 pp

Proven on **crushing, grinding, flotation, classification and thickening**, for copper, gold, nickel and iron ore miners.

Averages across our closed-loop results: five throughput results and two flotation recovery results.

10–30 min

Benefits don't decay, by design.
Process models are updated every 10–30 minutes, so they reflect even minor process changes. None of the ten deployments has needed re-identification.

On top or instead

Works on top of your existing APC or replaces it, depending on the site.

Operators decide

Your operators have the final say on closed-loop control. One click switches it off.

On-premises

Installed on site, with no outbound network dependency.

How we start

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1 Data assessment
A back-test on your historian data, under NDA. Nothing is installed on site.

2 Closed-loop pilot
One circuit. 4 weeks to deploy, then 4–8 weeks measured on a pre-agreed baseline.

3 Licence
The controllers stay in production, and scope widens circuit by circuit.